

In the Claims

Claims 1 – 4 (Cancelled)

5. (Previously Presented) A ferritic stainless steel sheet having an average r-value of at least 2.0 and a ferrite crystal grain size number determined according to Japanese Industrial Standard (JIS) G 0552 of at least about 6.0, the ferritic stainless steel sheet comprising, by mass percent:

not more than about 0.1% C, not more than about 1.0% Si, not more than about 1.5% Mn, not more than about 0.06% P, not more than about 0.03% S, about 11% to about 23% Cr, not more than about 2.0% Ni, about 0.5% to about 3.0% Mo, not more than about 1.0% Al, not more than about 0.04% N, at least one of not more than about 0.8% Nb and not more than about 1.0% Ti, and the balance being Fe and unavoidable impurities, satisfying relationship (1):

$$18 \leq \text{Nb}/(\text{C}+\text{N}) + 2\text{Ti}/(\text{C}+\text{N}) \leq 60 \quad (1)$$

wherein C, N, Nb, and Ti in relationship (1) represent the C, N, Nb, and Ti contents by mass percent, respectively, and

wherein the ferritic stainless steel sheet is bake-coated with a lubricant coat comprising an acrylic resin, calcium stearate, and polyethylene wax in a coating amount of about 0.5 to about 4.0 g/m².

6. (Previously Presented) A ferritic stainless steel sheet having an average r-value of at least 2.0 and a ferrite crystal grain size number determined according to Japanese Industrial Standard (JIS) G 0552 of at least about 6.0, the ferritic stainless steel sheet comprising, by mass percent:

not more than about 0.1% C, not more than about 1.0% Si, not more than about 1.5% Mn, not more than about 0.06% P, not more than about 0.03% S, about 11% to about 23% Cr, not more than about 2.0% Ni, about 0.5% to about 3.0% Mo, not more than about 1.0% Al, not more than about

0.04% N, at least one of not more than about 0.8% Nb and not more than about 1.0% Ti, and the balance being Fe and unavoidable impurities, satisfying relationship (1):

$$18 \leq \text{Nb}/(\text{C}+\text{N}) + 2\text{Ti}/(\text{C}+\text{N}) \leq 60 \quad (1)$$

wherein C, N, Nb, and Ti in relationship (1) represent the C, N, Nb, and Ti contents by mass percent, respectively,

wherein the Cr and Mo contents satisfy the relationship (2):

$$\text{Cr} + 3.3\text{Mo} \geq 18 \quad (2)$$

wherein Cr and Mo represent in relationship (2) represents the Cr and Mo contents by mass percent, respectively, and

wherein the ferritic stainless steel sheet is bake-coated with a lubricant coat comprising an acrylic resin, calcium stearate, and polyethylene wax in a coating amount of about 0.5 to about 4.0 g/m².

7. (Previously Presented) A ferritic stainless steel sheet having an average r-value of at least 2.0 and a ferrite crystal grain size number determined according to Japanese Industrial Standard (JIS) G 0552 of at least about 6.0, the ferritic stainless steel sheet comprising, by mass percent:

not more than about 0.1% C, not more than about 1.0% Si, not more than about 1.5% Mn, not more than about 0.06% P, not more than about 0.03% S, about 11% to about 23% Cr, not more than about 2.0% Ni, about 0.5% to about 3.0% Mo, not more than about 1.0% Al, not more than about 0.04% N, at least one of not more than about 0.8% Nb and not more than about 1.0% Ti, and the balance being Fe and unavoidable impurities, satisfying relationship (1):

$$18 \leq \text{Nb}/(\text{C}+\text{N}) + 2\text{Ti}/(\text{C}+\text{N}) \leq 60 \quad (1)$$

wherein C, N, Nb, and Ti in relationship (1) represent the C, N, Nb, and Ti contents by mass percent, respectively,

wherein the X-ray integral intensity ratio (222)/(200) at a plane parallel to the sheet surface is not less than about 15.0, and

wherein the ferritic stainless steel sheet is bake-coated with a lubricant coat comprising an acrylic resin, calcium stearate, and polyethylene wax in a coating amount of about 0.5 to about 4.0 g/m².

8. (Previously Presented) A ferritic stainless steel sheet having an average r-value of at least 2.0 and a ferrite crystal grain size number determined according to Japanese Industrial Standard (JIS) G 0552 of at least about 6.0, the ferritic stainless steel sheet comprising, by mass percent:

not more than about 0.1% C, not more than about 1.0% Si, not more than about 1.5% Mn, not more than about 0.06% P, not more than about 0.03% S, about 11% to about 23% Cr, not more than about 2.0% Ni, about 0.5% to about 3.0% Mo, not more than about 1.0% Al, not more than about 0.04% N, at least one of not more than about 0.8% Nb and not more than about 1.0% Ti, and the balance being Fe and unavoidable impurities, satisfying relationship (1):

$$18 \leq \text{Nb}/(\text{C}+\text{N}) + 2\text{Ti}/(\text{C}+\text{N}) \leq 60 \quad (1)$$

wherein C, N, Nb, and Ti in relationship (1) represent the C, N, Nb, and Ti contents by mass percent, respectively,

wherein the Cr and Mo contents satisfy the relationship (2):

$$\text{Cr} + 3.3\text{Mo} \geq 18 \quad (2)$$

wherein Cr and Mo represent in relationship (2) represents the Cr and Mo contents by mass percent, respectively,

wherein the X-ray integral intensity ratio (222)/(200) at a plane parallel to the sheet surface is not less than about 15.0, and

wherein the ferritic stainless steel sheet is bake-coated with a lubricant coat comprising an acrylic resin, calcium stearate, and polyethylene wax in a coating amount of about 0.5 to about 4.0 g/m².

Claims 9 – 26 (Cancelled)

27. (Previously Presented) The ferritic stainless steel sheet according to claim 5, wherein about 0.2% - 2.0% Ni is present.

28. (Previously Presented) The ferritic stainless steel sheet according to claim 6, wherein about 0.2% - 2.0% Ni is present.

29. (Previously Presented) The ferritic stainless steel sheet according to claim 7, wherein about 0.2% - 2.0% Ni is present.

30. (Previously Presented) The ferritic stainless steel sheet according to claim 8, wherein about 0.2% - 2.0% Ni is present.

31. (New) The ferritic stainless steel sheet according to claim 5, wherein the r-value is 2.2 or more.

32. (New) The ferritic stainless steel sheet according to claim 6, wherein the r-value is 2.2 or more.

33. (New) The ferritic stainless steel sheet according to claim 7, wherein the r-value is 2.2 or more.

34. (New) The ferritic stainless steel sheet according to claim 8, wherein the r-value is 2.2 or more.